

WHAT IS CLAIMED IS:

1. A duplex printer capable of switching between a simplex print mode and a duplex print mode, comprising:

a printing section including a print drum and a press roller, the press roller being provided so as be movable into or out of contact with the print drum;

a sheet feeding section for feeding a sheet toward the printing section;

a sheet discharging section for discharging to an outside of the printer a printed sheet on which printing has been performed in the printing section;

an auxiliary tray for temporarily retaining thereon a front-side-printed sheet having a print image formed on its front side in the printing section;

refeeding means for refeeding the front-side-printed sheet retained on the auxiliary tray toward the printing section; and

a path selector for steering the sheet coming out of the printing section to one of the auxiliary tray and the sheet discharging section,

wherein, in the duplex print mode, a master having a first perforated image and a second perforated image formed thereon side by side, is wound around the print drum, and a first sheet is fed to the printing section from the sheet feeding section to print a first print image

corresponding to the first perforated image on a front side of the first sheet, and after the first sheet having the first print image printed thereon is steered toward the auxiliary tray by the path selector, a second sheet is fed to the printing section from the sheet feeding section to print the first print image on a front side of the second sheet while the refeeding means feeds the first sheet to the printing section again to thereby print a second print image corresponding to the second perforated image on a reverse side of the first sheet, and the first sheet and the second sheet are steered by the path selector toward the sheet discharging section and the auxiliary tray, respectively, and

wherein the duplex printer is capable of effecting position adjustment on each of the first and second print images with respect to each of the first and the second sheets in a sheet conveyance direction, with position adjustment on the first print image being effected by changing a sheet feeding timing of the sheet feeding section and position adjustment on the second print image being effected by changing a refeeding timing of the refeeding means.

2. The duplex printer as claimed in claim 1, wherein the sheet feeding section includes a registration roller pair for feeding the sheet toward the printing section,

and the refeeding means includes a refeed registration member for feeding the front-side-printed sheet toward the printing section again, and wherein a feeding timing and a refeeding timing for the sheet with respect to the printing section are changed by changing operation timings of the registration roller pair and the refeed registration member, respectively.

3. The duplex printer as claimed in claim 1, further comprising a master making section for making the master having the first and second perforated images, the master making section making, as the master having the first and second perforated images, a master having a non-image area formed between the first perforated image and the second perforated image, for preventing a trailing end of the second sheet printed with the first print image and a leading end of the first sheet printed with the second print image from overlapping with each other in the duplex print mode.

4. The duplex printer as claimed in claim 3, wherein the master making section forms the non-image area such that the non-image area has a width not smaller than one of a position adjustment amount of the first print image and a position adjustment amount of the second print image.

5. The duplex printer as claimed in claim 3, wherein the master making section forms the non-image area such

that the non-image area has a width not smaller than the sum of a position adjustment amount of the first print image and a position adjustment amount of the second print image.

6. The duplex printer as claimed in claim 5, wherein the width of the non-image area can be set arbitrarily between a minimum

width and a maximum width, the minimum width and the maximum width being set when the position adjustment amount of the first print image and the position adjustment amount of the second print image are 0 and a maximum value, respectively.

7. The duplex printer as claimed in claim 6, wherein, when a positional adjustment amount is input for one of the first print image and the second print image after the width of the non-image area is set, a position adjustment amount for the other of the first print image and the second print image is restricted so as not to exceed the set width of the non-image area.

8. The duplex printer as claimed in claim 6, wherein, after the width of the non-image area is set and a position adjustment amount is input for one of the first print image and the second print image, when a position adjustment amount is to be input for the other of the first print image and the second print image, a warning is issued if a value of the position adjustment amount to be input exceeds the

width of the non-image area.

9. The duplex printer as claimed in claim 8, wherein when the warning is issued, if the set width of the non-image area is smaller than the maximum width, the width of the non-image area is reset to the maximum width and a message is displayed to urge an operator to perform master making again.